FORD 1

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 9312020307 DOC. DATE: 93/11/18 NOTARIZED: NO DOCKET #
FACIL: 50-438 Bellefonte Nuclear Plant, Unit 1, Tennessee Valley Au 05000438
50-439 Bellefonte Nuclear Plant, Unit 2, Tennessee Valley Au 05000439
AUTH. NAME AUTHOR AFFILIATION
GILLEY, S. D. Tennessee Valley Authority
RECIP. NAME RECIPIENT AFFILIATION
NRC - No Detailed Affiliation Given

SUBJECT: Deficiency rept re DG starting air sys where mismatched capacities of compressor/dryer arrangement will result in increase in amount of moisture present in sys downstream of dryers. Final rept will be submitted by 931218.

DISTRIBUTION CODE: IE27D COPIES RECEIVED: LTR Ø ENCL 1 SIZE: 3
TITLE: 50.55(e) Construction Deficiency Report

NOTES:

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	~~REG FILE~~	02	1	1	RES/DSIR/EIB	1	1
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RIDS/FORD 1 DOCUMENT

NRC FORM 361 (6-89)

U. S. NUCLEAR REGULATORY COMMISSION
OPERATIONS CENTER

EVENT NOTIFICATION WORKSHEET

NOTIFICATION TIME	FACILITY OR ORGANIZATION	UNIT	CALLER'S NAME	CALLBACK#: ENS ____ OR
November 18, 1993 2:55 pm	Bellefonte Nuclear Plant	1,2	S. D. Gilley	(205) 574 - 8924

EVENT TIME & ZONE	EVENT DATE
N/A	N/A

POWER/MODE BEFORE	POWER/MODE AFTER
N/A	N/A

EVENT CLASSIFICATIONS

	GENERAL EMERGENCY
	SITE AREA EMERGENCY
	ALERT
	UNUSUAL EVENT
	50.72 NON-EMERGENCY
	PHYSICAL SECURITY (73.71)
	TRANSPORTATION
	20.403 MATERIAL/EXPOSURE
X	OTHER 50.55(e)

1-HR Non-Emergency 10 CFR 50.72(b)(1)	
	(i)(A) TS Required S/D
	(i)(B) TS Deviation
	(ii) Degraded Condition
	(ii)(A) Unanalyzed Condition
	(ii)(B) Outside Design Basis
	(ii)(C) Not Covered by OPs/EPs
	(iii) Earthquake
	(iii) Flood
	(iii) Hurricane
	(iii) Ice/Hail
	(iii) Lightning
	(iii) Tornado
	(iii) Other Natural Phenomenon
	(iv) ECCS Discharge to RCS
	(v) Lost ENS
	(v) Lost Emerg. Assessment
	(v) Lost Offsite Comms
	(vi) Fire
	(vi) Toxic Gas
	(vi) Rad Release
	(vi) Oth Hampering Safe Op.

4-Hr Non-Emergency 10 CFR 50.72(b)(2)	
	(i) Degrade While S/D
	(ii) RPS Actuation (scram)
	(ii) ESF Actuation
	(iii)(A) Safe S/D Capability
	(iii)(B) RHR Capability
	(iii)(C) Control of Rod Release
	(iii)(D) Accident Mitigation
	(iv)(A) Air Release > 2X App B
	(iv)(B) Liq Release > 2X App B
	(v) Offsite Medical
	(vi) Offsite Notification

DESCRIPTION

In accordance with 10 CFR 50.55(e), this notification is being made to the NRC of a condition involving the diesel generator starting air system where the mismatched capacities of the compressor/dryer arrangement will result in an increase in the amount of moisture present in the system downstream of the dryers, which could affect the proper operation of downstream components including the diesel generators. The capacities of the diesel generator starting air compressors are greater than that of the associated dryers. This configuration, supplied by the vendor, introduces air into the receiver tank which has a dew point higher than that specified on the vendor supplied drawings for the compressor and dryer assembly.

The starting air system was designed to be used with dry air. The compressor/dryer arrangement is not safety-related but the receiver tank is safety-related. The safety-related function of the tank is to provide 5 starts of a cold diesel engine without recharging the tank.

A final report, in accordance with 10 CFR 50.55(e), will be submitted by December 18, 1993. This discrepancy is documented in Significant Corrective Action Report (SCAR) BLP930110SCA.

NOTIFICATIONS	YES	NO	WILL BE
NRC RESIDENT			X
STATE(s)		X	
LOCAL		X	
OTHER GOV AGENCIES		X	
MEDIA/PRESS RELEASE		X	

ANYTHING UNUSUAL OR NOT UNDERSTOOD?		YES (Explain above)	X	NO
DID ALL SYSTEMS FUNCTION AS REQUIRED?		YES	X	NO (Explain above)

MODE OF OPERATION UNTIL CORRECTED	N/A	ESTIMATE FOR RESTART DATE	N/A	ADDITIONAL INFO ON BACK?	NO

NRC FORM 361 (6-89)

9312020307 931118
PDR ADOCK 05000438
S PDR

NRC FORM 361 (6-89) ADDITIONAL INFORMATION NRC OPERATIONS CENTER

RADIOLOGICAL RELEASES : CHECK OR FILL IN APPLICABLE ITEMS (specific details/explanations should be covered in event description)

	LIQUID RELEASE		GASEOUS RELEASE		UNPLANNED RELEASE		PLANNED RELEASE		ONGOING		TERMINATED
	MONITORED		UNMONITORED		OFFSITE RELEASE		T.S. EXCEEDED		RM ALARMS		ARBAS EVACUATED
	PERSONNEL EXPOSED OR CONTAMINATED				OFFSITE PROTECTIVE ACTIONS RECOMMENDED				*State release path in description.		

	Release Rate (Ci/sec)	% T.S. Limit	HOO GUIDE	Total Activity (Ci)	% T.S. Limit	HOO GUIDE
Noble Gas			0.1 Ci/sec			1000 Ci
Iodine			10 μCi/sec			0.1 Ci
Particulate			1 μCi/sec			1 mCi
Liquid (excluding tritium & dissolved noble gases)			10 μCi/min			0.1 Ci
Liquid (tritium)			0.2 Ci/min			5 Ci
Total Activity						

	PLANT STACK	CONDENSER/AIR EJECTOR	MAIN STEAM LINE	SG BLOWDOWN	OTHER
RAD MONITOR READINESS					
ALARM SETPOINTS					
% T.S. LIMIT (if applicable)					

RCS OR SG TUBE LEAKS: CHECK OR FILL IN APPLICABLE ITEMS: (specific details/explanations should be covered in event description)

LOCATION OF THE LEAK (e.g., SG#, valve, pipe, etc.)

LEAK RATE	UNITS: gpm/gpd	T.S. LIMITS	SUDDEN OR LONG TERM DEVELOPMENT
LEAK START DATE	TIME	COOLANT ACTIVITY & UNITS	PRIMARY / SECONDARY

LIST OF SAFETY RELATED EQUIPMENT NOT OPERATIONAL

EVENT DESCRIPTION (Continued from front)

FAX COVER

Send To:

Name: NRC OPERATIONS CENTER Phone: (301) 951-0550

Company: NRC

Address: _____

Date: _____ Number of pages: 3

Fax Number: (301) 492-8187 Verification Number: (301) 951-0550

Subject: _____

From: Tennessee Valley Authority

Name: Steve Dilley Phone: 574-8924

Organization: TVA - SITE LICENSING

Address: OSE 1C-BLN

Fax Number: (205) 574-8556 Verification Number: (205) 574-8060

Special Instructions: _____

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TVA 15536 (S-CRM 4/92)